

S. Chen

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#10

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/214,478

DATE: 05/09/2000
TIME: 06:44:11

Input Set: I214478.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

1 <110> APPLICANT: Philip E.Branton et al.
2 <120> TITLE OF INVENTION: Adenovirus E4 Proteins For Inducing Cell
3 Death
4 <130> FILE REFERENCE: 50013/002003
5 <140> CURRENT APPLICATION NUMBER: US/09/214,478
6 <141> CURRENT FILING DATE: 1999-06-07
7 <150> EARLIER APPLICATION NUMBER: 60/021,273
8 <151> EARLIER FILING DATE: 1996-07-05
9 <150> EARLIER APPLICATION NUMBER: 60/028,740
10 <151> EARLIER FILING DATE: 1996-10-22
11 <150> EARLIER APPLICATION NUMBER: IB97/01041
12 <151> EARLIER FILING DATE: 1997-07-03
13 <160> NUMBER OF SEQ ID NOS: 4
14 <170> SOFTWARE: FastSEQ for Windows Version 4.0
15 <210> SEQ ID NO 1
16 <211> LENGTH: 885
17 <212> TYPE: DNA
18 <213> ORGANISM: Adenovirus
19 <400> SEQUENCE: 1
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21 cggcgactc cgtagctatggatcgatcgatc cctccttttgc agacagaaac ccgcgcgtacc 120
22 atactggagg atcatccgct gctgcccggaa tgtaacactt tgacaatgca caacgtgagt 180
23 tacgtgcgag gtcttccctg cagtggtggaa tttacgctga ttccaggatg ggttggccc 240
24 tgggatatgg ttcttaacgcg ggaggagctt gtaatcctga ggaagtgtat gcacgtgtgc 300
25 ctgtgttgcg ccaacattgatcatgac agcatgatgatc tccatggatc cgagtcctgg 360
26 gctctccact gtcattgttc cagtcgggttccctgcgt gtatagccgg cgggcagggtt 420
27 ttggccagct ggtttaggat ggtgggtggat ggcgcctatgt ttaatcagag gtttatatgg 480
28 taccggggagg tggtaatccaacatgcca aaagaggtaa tggttatgtc cagcgtgttt 540
29 atgaggggtc gccacttaat ctacctgcgc ttgtggatg atgcccacgt gggttctgtg 600
30 gtccccggca tgagctttgg atacagcgcc ttgcactgtg ggattttgaa caatattgtg 660
31 gtgctgtgct gcagttactg tgctgatata agttagatca ggggtgcgtc ctgtgcccgg 720
32 aggacaaggc gccttatgtc gcggggcggtt cgaatcatcg ctgaggagac cactgcccgt 780
33 ttgtattcct gcaggacggc gcggggcggtt cagcaggatc ttccgcgcgt gctgcagcac 840
34 caccggcccta tcctgatgca cgattatgac tctacccca tgtatg 885
35 <210> SEQ ID NO 2
36 <211> LENGTH: 294
37 <212> TYPE: PRT
38 <213> ORGANISM: Adenovirus
39 <400> SEQUENCE: 2
40 Met Thr Thr Ser Gly Val Pro Phe Gly Met Thr Leu Arg Pro Thr Arg
41 1 5 10 15
42 Ser Arg Leu Ser Arg Arg Thr Pro Tyr Ser Arg Asp Arg Leu Pro Pro
43 20 25 30
44 Phe Glu Thr Glu Thr Arg Ala Thr Ile Leu Glu Asp His Pro Leu Leu

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PAGE: 2

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45	35	40	45
46	Pro Glu Cys Asn Thr Leu Thr Met His Asn Val Ser Tyr Val Arg Gly		
47	50	55	60
48	Leu Pro Cys Ser Val Gly Phe Thr Leu Ile Gln Glu Trp Val Val Pro		
49	65	70	75
50	Trp Asp Met Val Leu Thr Arg Glu Glu Leu Val Ile Leu Arg Lys Cys		80
51	85	90	95
52	Met His Val Cys Leu Cys Cys Ala Asn Ile Asp Ile Met Thr Ser Met		
53	100	105	110
54	Met Ile His Gly Tyr Glu Ser Trp Ala Leu His Cys His Cys Ser Ser		
55	115	120	125
56	Pro Gly Ser Leu Gln Cys Ile Ala Gly Gly Gln Val Leu Ala Ser Trp		
57	130	135	140
58	Phe Arg Met Val Val Asp Gly Ala Met Phe Asn Gln Arg Phe Ile Trp		
59	145	150	155
60	Tyr Arg Glu Val Val Asn Tyr Asn Met Pro Lys Glu Val Met Phe Met		160
61	165	170	175
62	Ser Ser Val Phe Met Arg Gly Arg His Leu Ile Tyr Leu Arg Leu Trp		
63	180	185	190
64	Tyr Asp Gly His Val Gly Ser Val Val Pro Ala Met Ser Phe Gly Tyr		
65	195	200	205
66	Ser Ala Leu His Cys Gly Ile Leu Asn Asn Ile Val Val Leu Cys Cys		
67	210	215	220
68	Ser Tyr Cys Ala Asp Leu Ser Glu Ile Arg Val Arg Cys Cys Ala Arg		
69	225	230	235
70	Arg Thr Arg Arg Leu Met Leu Arg Ala Val Arg Ile Ile Ala Glu Glu		240
71	245	250	255
72	Thr Thr Ala Met Leu Tyr Ser Cys Arg Thr Glu Arg Arg Arg Gln Gln		
73	260	265	270
74	Phe Ile Arg Ala Leu Leu Gln His His Arg Pro Ile Leu Met His Asp		
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76	Tyr Asp Ser Thr Pro Met		
77	290		
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79	<211> LENGTH: 345		
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84	tggctgggtg tggcttattc tgccgtggtg gatgttatca gggcagcggc gcatgaaggaa	120	
85	gtttacatag aaccgcAACG caggggggcgc ctggatgttt tgagagagtg gatatactac	180	
86	aactactaca cagaggcgatc taagcggcga gaccggagac gcagatctgt ttgtcacgccc	240	
87	cgcacacctgt tttgccttcag gaaatatgac tacgtccggc gttccatttg gcatgacact	300	
88	acgaccaaca cgatctcggt tgtctcggcg cactccgtac agtag	345	
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90	<211> LENGTH: 114		
91	<212> TYPE: PRT		
92	<213> ORGANISM: Adenovirus		
93	<400> SEQUENCE: 4		
94	Met Val Leu Pro Ala Leu Pro Ala Pro Pro Val Cys Asp Ser Gln Asn		

PAGE: 3

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95 1 5 10 15
96 Glu Cys Val Gly Trp Leu Gly Val Ala Tyr Ser Ala Val Val Asp Val
97 20 25 30
98 Ile Arg Ala Ala Ala His Glu Gly Val Tyr Ile Glu Pro Glu Ala Arg
99 35 40 45
100 Gly Arg Leu Asp Ala Leu Arg Glu Trp Ile Tyr Tyr Asn Tyr Tyr Thr
101 50 55 60
102 Glu Arg Ser Lys Arg Arg Asp Arg Arg Arg Ser Val Cys His Ala
103 65 70 75 80
104 Arg Thr Trp Phe Cys Phe Arg Lys Tyr Asp Tyr Val Arg Arg Ser Ile
105 85 90 95
106 Trp His Asp Thr Thr Thr Asn Thr Ile Ser Val Val Ser Ala His Ser
107 100 105 110
108 Val Gln

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PAGE: 4

VERIFICATION SUMMARY
TENT APPLICATION US/09/21 1478

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Line ? Error/Warning

Original Text
